

Contents

(Abstracted/indexed in: Chemical Abstracts; Current Contents: Physical, Chemical & Earth Sciences; INSPEC; PASCAL/CNRS)

Vol. 66 No. 1

The adsorption behaviour of long-chain <i>N</i> -alkyl betaines and their hydrobromides R. Wüstneck, J. Kriwanek, M. Herbst, G. Wasow and K. Haage (Berlin, Germany)	1
On the adsorption of polyoxyethylene <i>p</i> -tert-octylphenyl ether on silica T. Sobisch (Berlin, Germany)	11
Dynamic interfacial tension of crude oil/alkali/surfactant systems H.A. Nasr-El-Din and K.C. Taylor (Calgary, Alta., Canada)	23
Effect of hydrophobically modified comb-like polymer on interfacial properties of coal C. Li, X. Yu and P. Somasundaran (New York, NY, USA)	39
Effect of alcohol on equilibrium and dynamic behavior of a system containing a non-ionic surfactant and triolein J.C. Lim and C.A. Miller (Houston, TX, USA) and C. Yang (Pleasanton, CA, USA)	45
Water-in-crude-oil emulsions from the Norwegian continental shelf. 7. Interfacial pressure and emulsion stability J. Sjöblom, L. Mingyuan, A.A. Christy and T. Gu (Bergen, Norway)	55
The adsorption of hydroxyethyl cellulose and hydrophobically modified hydroxyethyl cellulose onto polystyrene latex R. Tanaka, P.A. Williams, J. Meadows and G.O. Phillips (Deeside, UK)	63
Adsorption, desorption and re-adsorption of proteins on solid surfaces W. Norde and A.C.I. Anusiem (Wageningen, The Netherlands)	73

Vol. 66 No. 2

Flotation of sphalerite in the presence of iron ions Q. Zhang, S.R. Rao and J.A. Finch (Montreal, Que., Canada)	81
Surface force measurements on cationic polymer/hyaluronic acid mixtures on mica S. Dhoot (Minneapolis, MN, USA), E.D. Goddard and D.S. Murphy (Tarrytown, NY, USA) and M. Tirrell (Minneapolis, MN, USA)	91
Preparation of fine zirconium hydrous oxide particles for dynamic ultrafiltration membrane T. Ohtani and Y. Nawa (Ibaraki, Japan) and A. Watanabe (Fukuoka, Japan)	97
Ice nucleation in emulsified aqueous salt solutions: a differential scanning calorimetry study S. Ganguly and K.S. Adisheshaiah (Bangalore, India)	105
Reverse Monte Carlo procedure for cluster analysis in colloidal systems A. Shick and R. Rajagopalan (Houston, TX, USA)	113
The behavior of organic counterions in the micelle of alkylammonium decylsulfonates H. Akisada (Kitakyushu, Japan), S. Kinoshita and H. Wakita (Fukuoka, Japan)	121
The role of ζ -potential in the colloid stability of calcium oxalate dihydrate dispersions. 2. Effect of several additives J. Callejas-Fernandez, R. Martinez-García, R. Hidalgo-Alvarez and F.J. de las Nieves (Granada, Spain)	129
Kinetics of spreading from solid particles on a water surface J-P. Fang and P. Joos (Wilrijk, Belgium)	139
Using poly(ethylene imine) to graft poly(ethylene glycol) or polysaccharide to polystyrene C. Brink, E. Österberg and K. Holmberg (Stenungsund, Sweden) and F. Tiberg (Lund, Sweden)	149

Contents

(Abstracted/indexed in: Chemical Abstracts; Current Contents: Physical, Chemical & Earth Sciences; INSPEC; PASCAL/CNRS)

Vol. 66 No. 1

The adsorption behaviour of long-chain <i>N</i> -alkyl betaines and their hydrobromides R. Wüstneck, J. Kriwanek, M. Herbst, G. Wasow and K. Haage (Berlin, Germany)	1
On the adsorption of polyoxyethylene <i>p</i> -tert-octylphenyl ether on silica T. Sobisch (Berlin, Germany)	11
Dynamic interfacial tension of crude oil/alkali/surfactant systems H.A. Nasr-El-Din and K.C. Taylor (Calgary, Alta., Canada)	23
Effect of hydrophobically modified comb-like polymer on interfacial properties of coal C. Li, X. Yu and P. Somasundaran (New York, NY, USA)	39
Effect of alcohol on equilibrium and dynamic behavior of a system containing a non-ionic surfactant and triolein J.C. Lim and C.A. Miller (Houston, TX, USA) and C. Yang (Pleasanton, CA, USA)	45
Water-in-crude-oil emulsions from the Norwegian continental shelf. 7. Interfacial pressure and emulsion stability J. Sjöblom, L. Mingyuan, A.A. Christy and T. Gu (Bergen, Norway)	55
The adsorption of hydroxyethyl cellulose and hydrophobically modified hydroxyethyl cellulose onto polystyrene latex R. Tanaka, P.A. Williams, J. Meadows and G.O. Phillips (Deeside, UK)	63
Adsorption, desorption and re-adsorption of proteins on solid surfaces W. Norde and A.C.I. Anusiem (Wageningen, The Netherlands)	73

Vol. 66 No. 2

Flotation of sphalerite in the presence of iron ions Q. Zhang, S.R. Rao and J.A. Finch (Montreal, Que., Canada)	81
Surface force measurements on cationic polymer/hyaluronic acid mixtures on mica S. Dhoot (Minneapolis, MN, USA), E.D. Goddard and D.S. Murphy (Tarrytown, NY, USA) and M. Tirrell (Minneapolis, MN, USA)	91
Preparation of fine zirconium hydrous oxide particles for dynamic ultrafiltration membrane T. Ohtani and Y. Nawa (Ibaraki, Japan) and A. Watanabe (Fukuoka, Japan)	97
Ice nucleation in emulsified aqueous salt solutions: a differential scanning calorimetry study S. Ganguly and K.S. Adisheshaiah (Bangalore, India)	105
Reverse Monte Carlo procedure for cluster analysis in colloidal systems A. Shick and R. Rajagopalan (Houston, TX, USA)	113
The behavior of organic counterions in the micelle of alkylammonium decylsulfonates H. Akisada (Kitakyushu, Japan), S. Kinoshita and H. Wakita (Fukuoka, Japan)	121
The role of ζ -potential in the colloid stability of calcium oxalate dihydrate dispersions. 2. Effect of several additives J. Callejas-Fernandez, R. Martinez-García, R. Hidalgo-Alvarez and F.J. de las Nieves (Granada, Spain)	129
Kinetics of spreading from solid particles on a water surface J-P. Fang and P. Joos (Wilrijk, Belgium)	139
Using poly(ethylene imine) to graft poly(ethylene glycol) or polysaccharide to polystyrene C. Brink, E. Österberg and K. Holmberg (Stenungsund, Sweden) and F. Tiberg (Lund, Sweden)	149

Vol. 66 No. 3

Secondary minimum interactions and heterocoagulation encountered in the aqueous processing of alumina-zirconia ceramic composites	
A. Bleier (Oak Ridge, TN, USA)	157
Reaction of Alizarin Red S with hydroxyapatite: stoichiometry and surface effect	
D.N. Misra (Gaithersburg, MD, USA)	181
Adsorption of dextrans on spherical TiO_2 particles	
Y. Li and H.G. Spencer (Clemson, SC, USA)	189
Electrophoretic studies of calcium carbonate particles dispersed in various hydrocarbon liquids	
J.F. Miller, B.J. Clifton, P.R. Benneyworth and B. Vincent (Bristol, UK), I.P. MacDonald and J.F. Marsh (Abingdon, UK)	197
Concentration and temperature effects on aggregation, clouding and adsorption of a polydisperse non-ionic surfactant in aqueous solution	
S.M. Mahdi and R.O. Sköld (Gothenburg, Sweden)	203
Mixed adsorption of sodium dodecyl sulfate and ethoxylated nonylphenols on carbon black and the stability of carbon black dispersions in mixed solutions of sodium dodecyl sulfate and ethoxylated nonylphenols	
C. Ma and Y. Xia (Beijing, China)	215

Brief Notes

A study of the hydrated coating of glass-fibre adsorbents	
D. Gogov and L. Ljubtchev (Bourgas, Bulgaria)	223
Limitations to steric stability: deposition of fully coated latex particles on fully coated glass surfaces	
J.A. De Witt and T.G.M. van de Ven (Montreal, Que., Canada)	227

Vol. 66 No. 4

Ion exchange characteristics of ceric tungstate: Cs^+/H^+ exchange in aqueous and methanolic solutions	
E.M. Mikhail, H.F. Ghoneimy and N.Z. Misak (Cairo, Egypt)	231
Effect of the molar ratio of surfactants in the solution on the composition and mutual interactions in anionic-cationic adsorption films	
D. Góralczyk (Kraków, Poland)	241
Adsorption kinetics of a non-ionic surfactant on the stationary mercury electrode	
Z. Adamczyk and G. Para (Kraków, Poland)	249
Chromatographic utilization of the sorption behaviour of some nitrophenols on acid-treated alumina	
R.M. Sharma, G.L. Mundhara, S. Jha and J.S. Tiwari (Raipur, India)	259
Binding of tetradecylpyridinium bromide to poly(vinyl alcohol) with various degrees of acetylation	
K. Shirahama and S. Nagao (Saga, Japan)	275
Thermodynamics of the $\text{Sr}^{2+}-\text{H}^+$ and Cs^+-H^+ exchange on cerium(IV) and tin(IV) antimonates	
I.M. El-Naggar, M.A. El-Absy and H.F. Aly (Cairo, Egypt)	281
Characterization and adsorption study of acetaldehyde on supported metals/active carbon systems	
M. Afzal, F. Mahmood and H. Ahmad (Islamabad, Pakistan)	287
Announcement	295
Author Index	297
Subject Index	298
Contents (Vol. 66)	300